Murdered Out Series

By Audiobahn®

AMPP210H / AMPP212H

OWNER'S MANUAL

PLEASE READ THIS MANUAL
BEFORE OPERATING THIS UNIT.
RETAIN FOR FUTURE REFERENCE.

The Audiobahn Way

To bring the product to market that excites the consumer through sound and vision from an orientation of integrity and customer service. We make you look as good as you sound. We strive to take car audio to an extreme the world has never seen, and a world that never stops evolving.

Audiobahn was established in 1997 with one long-term goal in mind, “Build it Bigger, Badder, & Better, and the people will take notice!” We back this statement with an engineering team that has brought home several Innovations, Design & Engineering Showcase Awards, and a marketing team from around the world that spends countless hours developing our no compromise products to satisfy the most discriminating enthusiasts.

Our global manufacturing facilities feature ISO9002 ratings (the highest level of quality control awarded in the electronics manufacturing industry), fully robotic assembly lines and a state of the art, California based R & D laboratory.

Our Technical Department and entire staff look to strive above and beyond the rest of the pack by going that extra mile to help you out. Whether you happen to be a veteran competitor, or a beginner car audio enthusiast who does not know a voice coil from a spider. We are all her to help you get the best system you can with what you have.

Judge for yourself, and remember what it’s all about, “If it’s not Bigger, Badder & Better, it’s not Audiobahn.” If audio is your life, Audiobahn is the brand for you! We make you look as good as you sound. People never stop trying to get the best product, so we will never stop making it.

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Getting Started

Welcome to Audiobahn. This manual has been designed to provide information for the owner, salesperson, and installer. For those of you who want quick information on how to install this product, please turn to the installation section of this manual. Other information can be located by using the table of contents. We at Audiobahn have worked very hard to make sure that all of the information in this manual is current, but, as we are constantly finding new ways to improve our product, this information is subject to change without notice. All updated information can be found on our web page in the technical support section.

Dear Customer,

Congratulations on your purchase of the worlds finest brand of car audio products. Here at Audiobahn Inc. we are devoted to making our musical reproduction the vert best, and we are pleased you have chosen our product. Through years of engineering expertise, hand craftsmanship, and critical testing procedures, we have created a wide range of products that reproduce music with all the clarity and richness you deserve.

For maximum performance we recommend you have your Audiobahn product installed by an Authorized Audiobahn Dealer, as we provide specialized training through our Audiobahn Installer Training Programs. Please read your warranty, keep your receipt, and original carton for possible future use.

To get a free brochure on Audiobahn products in the US call (714) 452-1476 or e-mail us at sales@audiobahn.com, if you would like an electronic version please visit us at audiobahn.com.

WARNING

Continuous exposure to sound pressure levels over 100dB may cause permanent hearing loss. High powered autosound systems may produce sound pressure levels well over 135dB. Need we say more! Use common sense.

If after reading this manual you still have questions regarding your product, we recommend that you see your nearest Audiobahn Dealer. A list of Authorized Audiobahn Dealers can be found on our web page. If you need further assistance, feel free to call us at (714) 452-1476 and ask for the Technical Department. Be sure to have the model number, date of purchase, and invoice number available when you call.

The model number can be located on the outside of the carton. Record this in the space provided below along with the date of purchase. It is a good idea to keep your receipt with this as you will need it in the case of needing a warranty, repair service or exchange.

Date of Purchase: _____Model Number:_____

- Amplifier
- Enclosure
- Warranty Card
- Amplifier Wiring Kit
- Remote Bass Knob
- Sticker
- Operations Manual

1. Make sure to carefully read and understand the instructions before attempting to install your new Audiobahn tube.
2. Before making any electrical connection, make sure that you disconnect the battery's ground cable to prevent the possibility of short circuit or damage to your electronic equipment.
3. For easier assembly, we suggest you run all wires prior to mounting your amplifier and/or enclosure.
4. Route all of the RCA cables close together, and away from any power wires.
5. Think before you drill! Be careful not to cut or drill into gas tank, fuel lines, brake or hydraulic lines, vacuum lines, or electrical wiring when working on any vehicle.
6. Avoid running wires over or through sharp edges. Use rubber or plastic grommets to protect any wires routed through metal, especially the firewall.
7. ALWAYS protect the battery and electrical system from damage with proper fusing.
8. When grounding to the chassis of the vehicle, scrape all paint from the metal to ensure a good clean ground connection. Grounding connections should be as short as possible, and always be connected to metal that is welded to the main body or chassis of the vehicle.

The mounting position of your Party Pack will have a great effect on the sound performance produced.

TRUNK MOUNTING
Mounting the enclosure in the trunk provides a good overall performance.

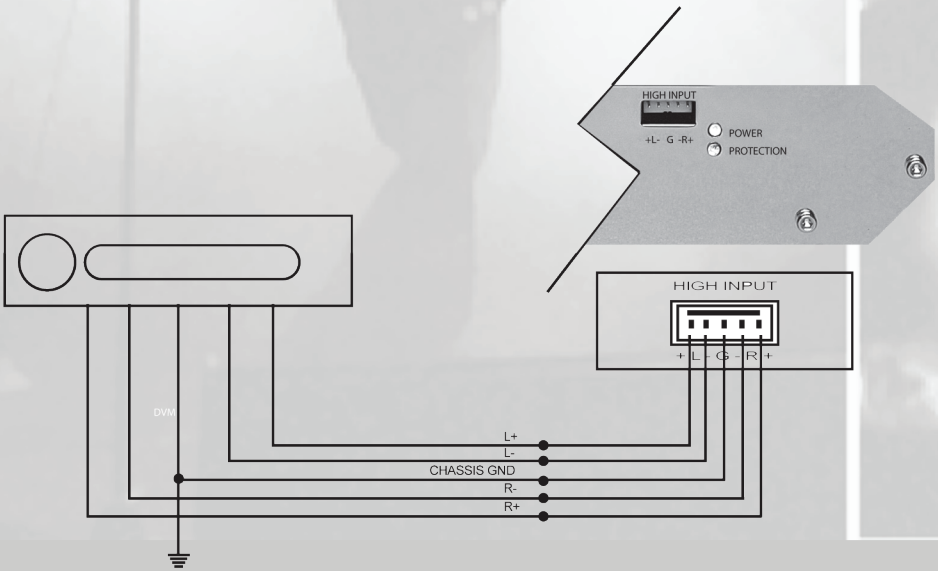
PASSENGER COMPARTMENT MOUNTING
Mounting the enclosure in the passenger compartment provides optimum sound, but reduces the area for passenger seating.

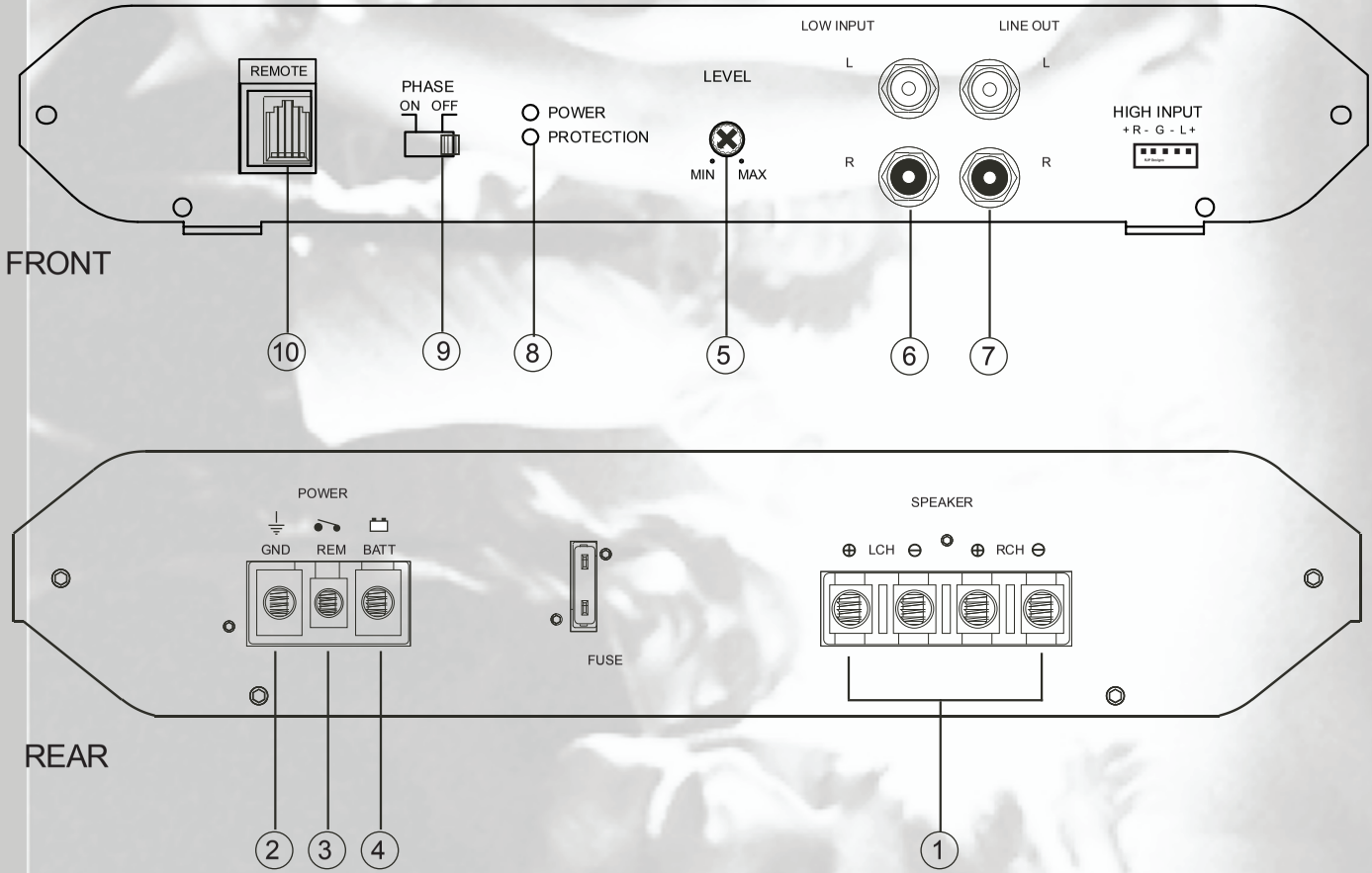
LOADING
Facing the enclosure towards a wall will increase the low frequency sounds.

Use one of the two following signal connections

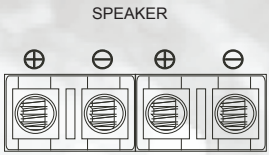
RCA Cable Connection
1. Connect the RCA cable into the correct output terminals on the back of the source or Hi/Lo level converter.
2. Connect the RCA cable into their perspective plugs on the amplifier.

High Level Input Connections
1. Using the cord provided with the kit, splice directly into the source unit's speaker outputs. Do not break the connection with the source unit and the speakers. Be sure to maintain proper speaker polarity.



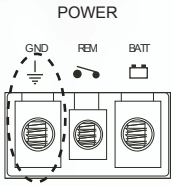

FRONT
REMOTE
PHASE
ON OFF
POWER
PROTECTION
LEVEL
MIN MAX
LOW INPUT
LINE OUT
L
R
L
R
HIGH INPUT
+R - G - L+
10
9
8
5
6
7
REAR
POWER
GND REM BATT
FUSE
SPEAKER
⊕ LCH ⊖ ⊕ RCH ⊖
2
3
4
1

1. Speaker Terminals



These chrome plated connectors can accept from 16 to 8 gauge wire. Be careful to observe proper polarity when connecting the cables

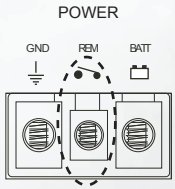
2. B - Terminal (Chassis ground)



To avoid unwanted ignition noise caused by ground loops, it is essential that the amplifier be grounded to a clean, bare, metal surface of the vehicles chassis.

Note: GROUND WIRE SHOULD NOT BE EXTENDED MORE THAN 3 FT. (1 METER)

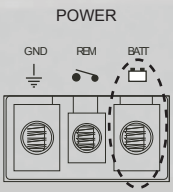
3. Remote Turn-On Input



To remote or power antenna output of car stereo. This amplifier is turned "ON" remotely when the vehicle's stereo is turned "ON".

Note: IF YOUR RADIO DOES NOT HAVE +12 VOLT OUTPUT LEAD WHEN THE RADIO IS TURNED ON, THE "REMOTE" TERMINAL ON THE AMPLIFIER CAN BE CONNECTED TO THE VEHICLE'S ACCESSORY CIRCUIT THAT IS LIVE WHEN THE KEY (IGNITION) IS "ON".

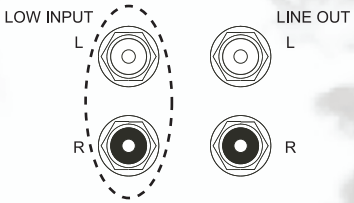
4. B+ Terminal (Battery Positive)



5. Input Sensitivity Adjustment

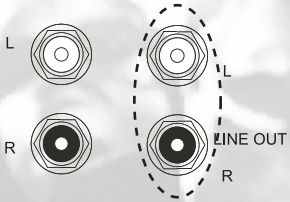
This control adjusts the amplifier's sensitivity to match the signal strength coming from the source unit. Input sensitivity is variable from 200 Millivolts to 8 volts. Clockwise increases sensitivity. Counterclockwise decreases sensitivity. **THE KNOB IS NOT A VOLUME CONTROL**. A lower signal level will require increased sensitivity for full power. A higher signal will require decreased sensitivity.

6. Low Level Input RCA Jacks



These inputs are for signal cables from the source unit or other processor. Always use high quality shielded RCA cables.

7. Low Level OUT RCA Jacks



The LINE OUT allows you to build multiple amplifier systems without having to use splitter cords to distribute the signal. Now it is a simple matter of bridging one set of RCA cables into the first amplifier, then using the line out RCA jacks as the feed to the next amplifier.

8. LED indicator (Status)

-PWR (Power) : This BLUE LED will illuminate when the amplifier is turned "ON". If it fails to illuminate, check the power connections to the amplifier and fuses.

- PROT (Protection) : The amplifier protection circuitry will disable the amplifier if input overload, short circuit, or extremely high temperature conditions are detected. When the protection mode is in operation, the LED indicator on the side panel will be illuminated, indicating the amplifier has gone into a self-preservation mode.

If you observe that the protection LED is lit, please check the system carefully to determine what has caused the protection circuit to engage. The amplifier shut down due to a thermal overload condition, please allow it to cool down before restarting. If the amplifier shut down because of an input overload or short circuit, be sure to repair these conditions before attempting to power up the amplifier again.

9. Phase Shift control

PHASE SHIFT control (0 AND 180 DEGREES): Allows you to change the phase of your subwoofer from 0 and 180 degrees to help compensate for timing differences between drivers.

10. Remote Bass Knob Port

Bass Boost Control (MIN / MAX) : **Optional**

REMOTE BASS BOOST KNOB

Mounting and Installation

1. Using the screws provided with the kit, find a location under the dash, center console, or a place that gives easy access to the remote bass boost knob.
2. Plug in the supplied cord into the back of the bass boost knob.

Adjusting the Level

To adjust the level setting, first turn the amplifier gain all the way down. Then turn the source volume up until distortion is audible, and then turn it down until distortion is inaudible. Next, turn the amplifier level setting until once again distortion is audible, and then back it down until distortion is inaudible.

Adjusting the PHASE

If the enclosures woofers are facing towards the trunk lid the phase switch should be set to 180º, if the enclosures woofers are facing towards the front of the vehicle the phase switch should be set to 0º.

Model Number	AMPP210H	AMPP212H
Power RMS	600 Watts	800 Watts
Achievable Power	1200 Watts	1600 Watts
Frequency Response:	28Hz-1kHz	26Hz-1kHz
Enclosure	Dual 10”	Dual 12”

Enclosure Dimensions:

Height:	15.25”	15.5”
Width:	28.25”	31.62”
Length:	15.5”	15.5”

Common Features

A/B Amplifier • HI -Level Inputs • Tiffany Style RCA Jacks • RCA Throughput Connections • Phase Shift Control • Thermal Protection • Nickel plated terminal blocks • Proprietary Aluminum Heat Sink • Additional Faraday Ventilation • Co-balt Blue Illumination • THD 0.2% • S/N Ratio >100dB • Input Sensitivity 0.3 - 8V • Powerdercoated Topplate • 17’ 10awg. Power Cable • 3’ 10awg. Ground Cable • 17’ 18awg. Remote Turn-On Wire • 17’ RCA Cable • ATC Fuse Protection • MDF (Medium-density fiberboard) Construction w/ Black Carpet • Woofer Grill • Slot Port Enclosure • Accessory Package w/ wire-ties

SYMPTOMS	CHECK POINTS	CURE
NO SOUND	Is the power LED illuminated ? (NO)	Check fuses in amplifier. Be sure Turn-on lead is connected Check signal leads. Check gain control. Check Tuner/Deck volume level. Clean contacts on fuse holders.
	Is the Diagnostic LED illuminated ? (YES)	Check for speaker short or Amplifier overheating.
AMP NOT SWITCHING ON	No power to power wire	Repair power wire or connections.
	No power to remote wire with receiver on	Check connections to radio.
	Fuse broken	Replace fuse.
NO SOUND IN ONE CHANNEL	Check Speaker Leads	Inspect for short circuit or an open connection.
	Check Audio Leads	Reverse Left and Right RCA inputs to determine if it is occurring before the amp.
AMP TURNING OFF MEDIUM/HIGH VOLUME	Check speaker load impedance	Be sure proper speaker load impedance recommendations are observed. (If you use an ohmmeter to check speaker resistance, please remember that DC resistance and AC impedance may not be the same.)
STATUS LAMP ON	Temperature shut down	Turn radio down
	Speaker wires short	Separate speaker wires and insulate

Investigate the layout of your automobile thoroughly before drilling or cutting any holes. Take care when you work near gas tanks, gas lines, hydraulic lines, and electrical wiring. Do not use the power amplifier unmounted. Attach the system securely to the automobile to prevent damage, particularly in the event of an accident. Do not mount the system so that the wire connections are unprotected or are subject to pinching or damage from nearby objects.

The +12V DC power wire must be fused at the battery positive terminal connection. Before making or breaking power connections at the system power terminals, disconnect the +12V wire at the battery end. Confirm your radio/head unit and/or other equipment is turned off while connecting the input jacks and speaker terminals. If you need to replace the power fuse, replace it only with a fuse identical to that supplied with the system. Using a fuse of a different type or rating may result in damage to this system which is not covered by the warranty.

Disclaimer

Specifications are subject to change without notice.
For the most updated Specifications call Audiobahn,
your local Authorized Audiobahn Dealer,
or check the Audiobahn web site.
www.audiobahn.com

Audiobahn Consumer Product Warranty Policy

Audiobahn products are manufactured with the highest quality components and some of the most advanced technology available. Because of this we recommend that you have your new products installed by an **Authorized Audiobahn Dealer. (A list of Authorized Audiobahn Dealers can be found on our web page).**

Warranty Period: One year from the original date of purchase.

Warranty Coverage: This warranty covers manufacturer defects only. The warranty is applicable to the original purchaser, and is non-transferable. You must provide a receipt from an **Authorized Audiobahn Dealer** that shows the location of purchase, price paid, and date of purchase.

(Products purchased by consumers from an **Authorized Audiobahn Dealer** outside the United States are covered only by the Distributor of that specific country and are not covered by **Audiobahn**).

NOTES:
Complete subwoofer enclosures (**Audiobahn** will replace defective subwoofers, plexiglass, or neon only. Do not send the entire enclosure, unless the enclosure is defective itself. You must receive prior authorization and an RA# before sending in any complete enclosure).

AUDIOBAHN DOES NOT WARRANTY ANY PRODUCTS NOT PURCHASED THROUGH AN AUTHORIZED DEALER.
(A list of Authorized Audiobahn Dealers can be found on our web page).

AUDIOBAHN WARRANTIES DO NOT COVER THE FOLLOWING:

- Any product not purchased from an **Authorized Audiobahn Dealer** (including Internet dealers)
- Damage caused by abuse, misuse, accident, water / flood, or theft (including any cosmetic damage to the body of the product)
- Damage caused by improper installation
- Any cost or expense related to removal or reinstallation
- Any unauthorized services
- Any product that has the serial number removed, altered, or defaced
- Subsequent damage to any other components
- Pinched, cut, or stripped wires / terminals
- Any product that is new, and/or found to be in working condition
- L.E.D. indicators on electronics (**Audiobahn** will only replace L.E.D.(s) found to be defective at the time of purchase)

How to receive warranty service: Contact your local **Authorized Audiobahn Dealer**, or call **Audiobahn** at **(714) 452.1476** between the hours of 9:00AM and 5:00PM PST.

If you are having problems with your system, we recommend you check the product carefully and thoroughly to confirm that the product truly has a manufacturer defect; as opposed to abuse, or other components in the system caused the failure. This might include having an **Authorized Audiobahn Dealer** look at the product to confirm the source of the problem. Any product found to have a manufacturer defect will be replaced with a new piece of the same or similar model, or repaired at the discretion of **Audiobahn.** Any product found to have no manufacturer defect will be returned to the sender at their cost.

You must acquire a Return Authorization Number (#) prior to returning ANY product to Audiobahn. That Return Authorization Number (RA#) must be prominently and clearly marked on the outside of the shipping carton, or product delivery will be refused (no exceptions will be made).

Please note: All shipping and handling (to and from) charges will be the sole responsibility of the consumer.

Please record and keep your Return Authorization Number (RA#) in the event that further communication is required.

Return Authorization Number (RA#): _____

Date product was sent: _____

Contact Information

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